

②

$p \pm 1, \pm 2, \pm 4, \pm 8$   
 $q \pm 1, \pm 2, \pm 3, \pm 6, \pm 12, \pm 18$

poss  $\oplus 2, 2$   
 poss  $\ominus 3, 1$   
 $-++--+$

$p/q \pm 1, \pm 1/2, \pm 1/3, \pm 1/6, \pm 1/4, \pm 1/8$   
 $\pm 2, \pm 2/3, \pm 3/2, \pm 4, \pm 4/3, \pm 3/4, \pm 8, \pm 8/3, \pm 3/8, \pm 9/8$

	18	3	-79	-14	28	8
0						8
1	18	21	-58	-72	-44	-36
-1	18	-15	-64	50	-22	30
$\frac{1}{2}$	18	12	-73			101
$\frac{1}{3}$	18	9	-76			
$\frac{2}{3}$	18	15	-69	-60	-12	0 ✓

$$f(x) = (x - \frac{2}{3})(18x^4 + 15x^3 - 69x^2 - 60x - 12)$$

$$f(x) = (3x - 2)(6x^4 + 5x^3 - 23x^2 - 20x - 4)$$

	6	5	-23	-20	-4
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0						1
1	6	11	-12	-32	-4	
-1	6	-1	-22	2	-6	
2	6	17	11	2	0	✓

$$f(x) = (3x-2)(x-2)(6x^3+17x^2+11x+2)$$

	6	17	11	2	
-2	6	5	1	0	✓

$$f(x) = (3x-2)(x-2)(x+2)(6x^2+5x+1)$$

$$f(x) = (3x-2)(x-2)(x+2)(3x+1)(2x+1)$$

$$\frac{2}{3}, 2, -2, -\frac{1}{3}, -\frac{1}{2}$$